



User guide

The Konftel 200W conference phone

English

Conference phones for every situation



OmniSound®





This product is equipped with OmniSound®, the crystal clear sound.

DECT conforms to the GAP standard

DECT – Digital Enhanced Cordless Telephone. DECT incorporates encryption for maximum call security. GAP (Global Access Profile) ensures the interoperability of DECT equipment of different manufacturers.



Konftel AB hereby declares that this conference unit complies with all essential requirements and other relevant provisions of Directive 1999/5/EC.

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.		
	CAUTION	
RISK OF ELECTRIC SHOCK DO NOT OPEN		
CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		
<div><p>The lightning symbol is intended to alert you to the presence of uninsulated dangerous voltage within this product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.</p></div> <div><p>The exclamation symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.</p></div>		

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GENERAL

The Konftel 200W is a DECT conference phone with an omnidirectional, highly-sensitive microphone which, together with Konftel's OmniSound® and the built-in speakers, provide optimal sound quality and maximum reduction of room echo, even when the person speaking is standing at a slight distance from the conference unit. The pickup range is up to 30 m².

Expansion microphones can be connected to the Konftel 200W to provide increased range and optimal sound conditions in larger meeting rooms. By turning up the loudspeaker volume level, the pickup range increases from 30 m² to 70 m². The optional remote control adds further ease to meetings, allowing you to control all the Konftel 200W functions such as the speed dialling keys for the most frequently used phone numbers.

The Konftel 200W connects to different makes of GAP-compatible DECT systems. You can find out which DECT systems have been tested with the Konftel 200W on our website, **www.konftel.com**. If your office does not have a compatible DECT system, Konftel can supply a DECT base station for analogue connection.

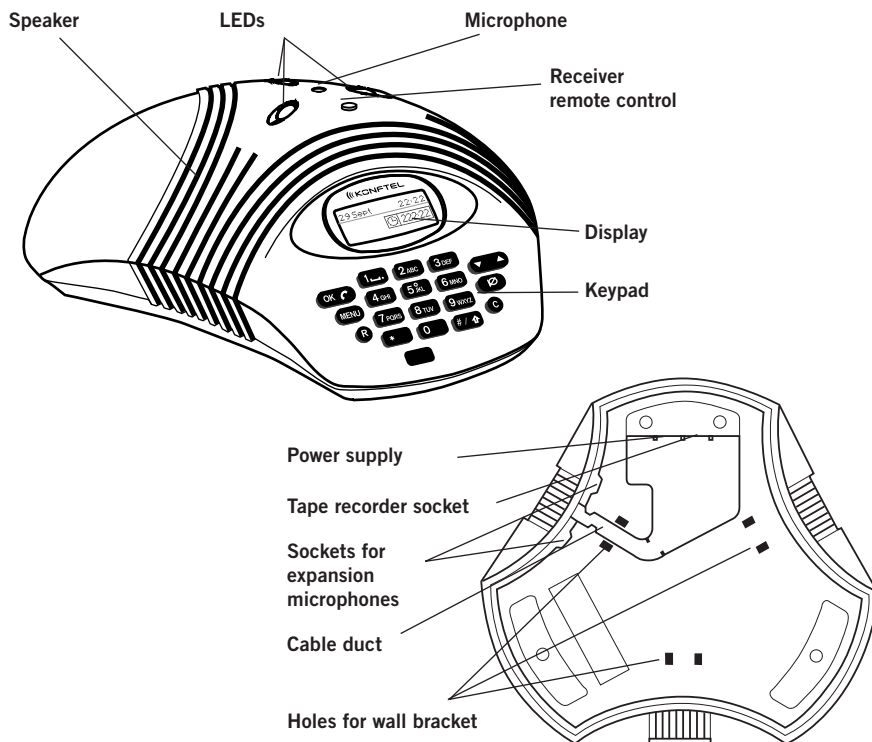
Please note that you need to connect (register) your Konftel 200W to a DECT base station before it can be used. There is a description of the **Konftel DECT base station** in the User guide, along with instructions on how to connect (register) the conference phone to an DECT base station.

Check that all parts are included in the package. If any parts are missing, please contact your retailer.

The Konftel 200W conference phone
Power adapter with 6-metre cable
Quick reference guides in different languages
CD with user guides in different languages

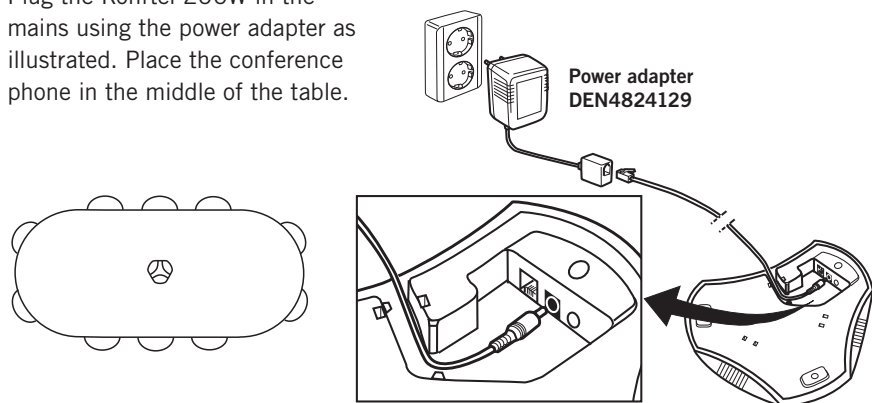
MAINTENANCE

Clean the equipment with a soft, dry cloth. Never use liquids.

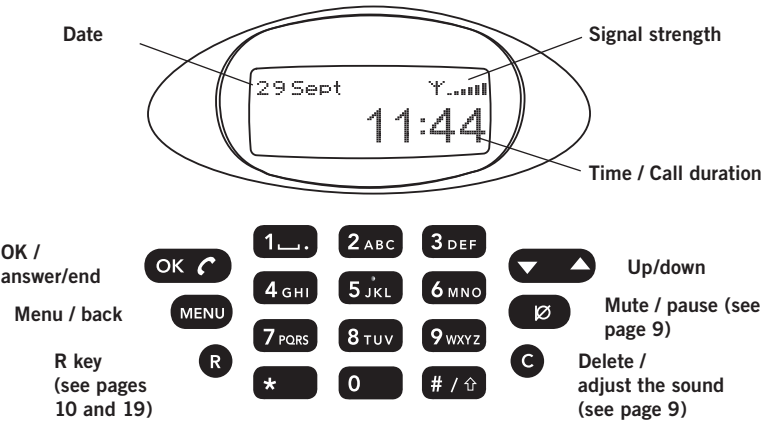


CONNECTING AND INSTALLING

Plug the Konftel 200W in the mains using the power adapter as illustrated. Place the conference phone in the middle of the table.



DISPLAY AND KEYPAD

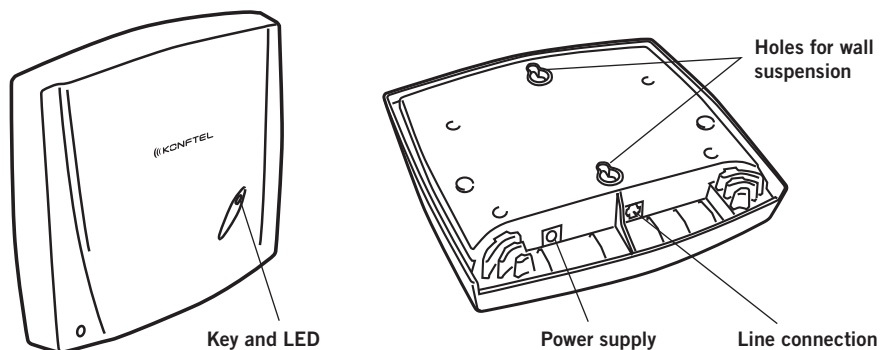


Characters for text input

See page 11.

1 (blank)	. - , 1	7 PQRS	P Q R S 7 p q r s 7
2 ABC	A B C Å Ä Å 2 a b c å ä á à 2	8 TUV	T U V Ü Ú 8 t u v ü ú 8
3 DEF	D E F É È 3 d e f é è 3	9 WXYZ	W X Y Z 9 w x y z 9
4 GHI	G H I 4 g h i 4	*	
5 JKL	J K L 5 j k l 5	0	0
6 MNO	M N O Ö Ø Ñ 6 m n o ö ø ñ 6	# / ↑	Shift (large / small letters)

KONFTEL DECT BASE STATION (ACCESSORIES)

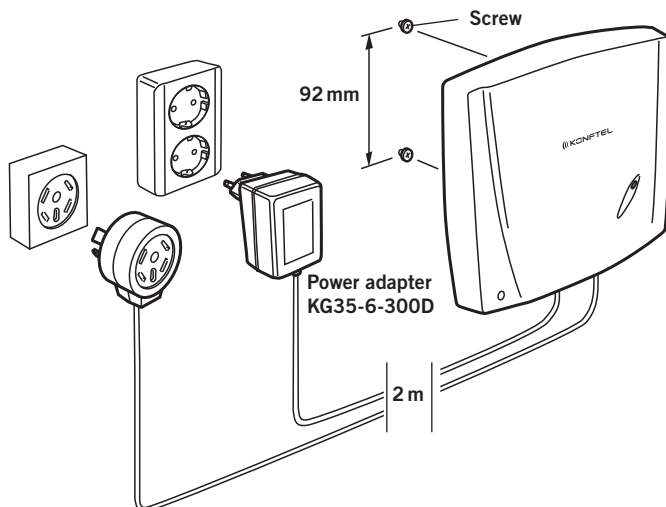


Connection

Connect the base station to a telephone jack and the mains using the power adapter as illustrated.

Wall suspension

The base station can be mounted on the wall. Use the screws provided as illustrated. Make sure it is securely mounted.

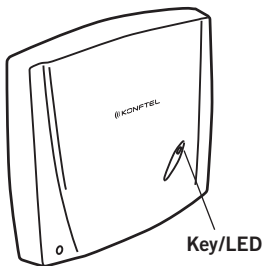


REGISTERING KONFTEL 200W WITH A BASE STATION

The Konftel 200W has to be registered with a base station before it can be used. Note that both the base station and the Konftel 200W have to be put into registration mode.

These are the instructions for registering with a Konftel DECT base station. If registering Konftel 200W with other makes of base station, follow the same procedure. Please refer to your base station user guide if you are unsure.






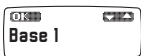

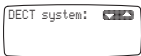

Set the Konftel DECT base station in registration mode



⇒ Press and hold the key/LED on the base station for at least 2 seconds until it starts to flash.

The base station is now in registration mode. Once registration has been completed, the LED will stop flashing. If the base station does not identify a DECT phone within 2 minutes, the registration mode will switch off automatically.

Set the Konftel 200W in registration mode

	⇒ Press the MENU key.
	⇒ Select the menu "Tools" using the Up/down key.
	⇒ Press OK .
	⇒ Select the menu Reg using the Up/down key.
	⇒ Press OK .
	⇒ Select a base (1-4).
	If no base station has been programmed, choose no. 1. Numbers that are ticked are being used.
	⇒ Press OK .
	⇒ Select a DECT system.
	⇒ Press OK .

PIN:

0-9...

⇒ Enter the security code (PIN code) (standard code is 0000).



⇒ Press **OK**.

Some DECT systems (not Konftel DECT Base Station) require a PARK code. Check with your company's switchboard supplier.

PARK:

⇒ Enter the PARK code if this is required. Otherwise, leave blank.



⇒ Press **OK**.

Search

Your Konftel 200W is now in registration mode and is searching for a base station in registration mode.

Wait until you receive confirmation that registration has been completed. (The base station has to be in registration mode.) Registration can be interrupted by pressing **C**.

Done

If registration was successful, the word **Done** will appear in the display.



⇒ Press **OK**.

The Konftel 200W is now ready to use. Please see page 14 for other menu options and settings.

If registration was not successful

If registration was not successful, the word **Fail** will appear in the display.

Possible reasons for this:

- Incorrect security code (check with your company's switchboard administrator)
- Incorrect or missing PARK code (check with your company's switchboard administrator)
- No base station within range or not activated in registration mode

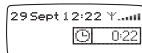
ANSWERING CALLS



A ring tone will be heard and the blue LEDs start flashing.



⇒ Press **OK** to answer.

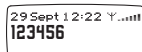


The display shows the duration of the call.

MAKING CALLS



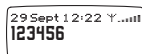
⇒ Press **OK**.



0-9...

⇒ Dial the number.

or



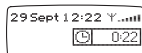
0-9...

⇒ Dial the number.



⇒ Press **OK**.

The number is called within 3 seconds.



The display shows the duration of the call.

Redialling

You can easily redial the number you last called.



⇒ Press the up arrow.

The last dialled number appears in the display.



⇒ Press **OK**.

The number is called within 3 seconds.

Speed dialling



⇒ Press the **Up/down** keys repeatedly.

The pre-programmed names in the phonebook appear in alphabetical order. The last dialled number appears first.

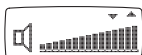


⇒ Press **OK** to call the selected name/number.

The number is called within 3 seconds.

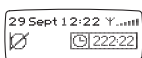
DURING A CALL

Adjusting the speaker volume



⇒ Increase the speaker volume using **+** and lower it using **-**.

Mute function



⇒ Press the **mute** key to turn the microphone off. The LEDs change from blue to red. The other party cannot hear what you are saying.



⇒ Press the **mute** key again to turn the microphone back on.

Adjusting the sound manually

Konftel 200W adjusts itself automatically when you switch it on to eliminate echo. It also senses changes in the room and continually adapts during the call. If, despite this, you still experience reduced sound quality, Konftel 200W can be adjusted manually at any time.



⇒ Press **c**.

A short noise is heard.

ENDING CALLS

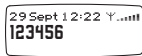


⇒ End the call by pressing **OK**.

MAKING MULTI-PARTY CALLS

Konftel 200W supports the switchboard's multi-party call feature. Please note that the number of people who can be connected to a call may be limited by the service provider and the PBX to which Konftel 200W is connected.

Most service providers offer a phone meeting service to make it easy to create multi-party calls. This could be a smart option for linking up several participants.



0-9...



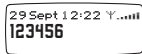
⇒ Call the first participant (dial the number and press **OK**).

When the call has been connected:



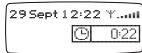
⇒ Press the **R** key.

A second dialling tone is heard.



0-9...

⇒ Dial the second participant's number and wait for an answer.



⇒ Press the **R** key and then **3**.

All three participants are now linked together in one call.

What if no one answers when you dial the second number



⇒ Go back to the first call by pressing **R** then **1**.

If you experience problems making multi-party calls

There may be several reasons for this.

The R key sends instructions to the base station, which then sends a pulse to the telephone line. The duration of the pulse varies depending on the country and switchboard. Read "Adjusting R key function" on page 19.

Your switchboard may not be programmed to admit multi-party calls. Contact your company's switchboard administrator to initiate this service.

Your switchboard may require a different command to R3 to link up all call participants. Please consult Konftel's website under FAQ for other commands.

UPDATING THE PHONEBOOK

The Konftel 200W has a phonebook that holds up to 50 entries. This makes it easy to call frequently used numbers. See page 8 for making calls using the speed dial list.

General information about entering text using the keypad

Enter a name in the address book using the keypad. Each key covers a number of letters and other characters - far more than shown on the key (see page 4). Press the same key repeatedly to change to another character. If there are two letters under the same key that you want to enter one after the other, you need to pause slightly before entering the second letter.



Press the shift key to switch to lower-case (small letters).



Press **C** to delete the last character.



You can cancel an entry at any time by pressing **MENU**.



The mute key inserts a slight pause in speed dial numbers. You might find this useful if you are calling via a switchboard and have to dial a nought in order to get a dialling tone. A pause might be necessary in some cases to give the dialling tone time to be activated.

Adding new numbers



⇒ Press the **MENU** key.
The phonebook is the first option on the menu.



⇒ Press **OK**.
Add entry is displayed.



⇒ Press **OK**.
The last dialled number is automatically displayed.

0-9...

⇒ Enter the number you require (unless you want the last dialled number).



⇒ Press **OK**.



A b c...

⇒ Enter a name using the keypad. Press a key repeatedly to change to another character.

ADVANCED FEATURES



- ⇒ Press **OK** to save the number.
The word **Done** is displayed. If the phonebook already has 50 entries, the words **Memory full** will be displayed.

Updating the phonebook



- ⇒ Press the **MENU** key.
The phonebook is the first option on the menu.



- ⇒ Press **OK**.



- ⇒ Press the **Up** key so that **Edit** is displayed.



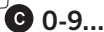
- ⇒ Press **OK**.



- ⇒ Press **Up/down** to look through the phonebook until you find the name or number you want to update.



- ⇒ Press **OK**.



0-9...

- ⇒ Change the number if that needs updating. Delete digits using **C**.

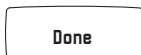


- ⇒ Press **OK**.



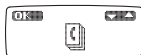
A b c...

- ⇒ Change the name if that needs updating. Delete letters using **C** and enter new letters as per instructions on page 11.



- ⇒ Press **OK** to save your changes.
The word **Done** is displayed.

Delete names and numbers



- ⇒ Press the **MENU** key.
The phonebook is the first option on the menu.



- ⇒ Press **OK**.



- ⇒ Press **Up/down** until **Erase** is displayed.



- ⇒ Press **OK**.

PHONEBOOK
PETER G.



⇒ Press **Up/down** to look through the phonebook until you find the name or number you want to delete.

OK
Erase?



⇒ Press **OK**.
Erase? is displayed.









Done












⇒ Press **OK** to confirm deletion.
The word **Done** is displayed.

(Press **MENU** to cancel without deleting the number.)


ADJUSTING RING VOLUME

-  ⇒ Press the **MENU** key.
- 
 ⇒ Select “Ring tone” using the **Up/down** key.
-  ⇒ Press **OK**.
- 
 ⇒ Select the desired volume of the ring tone using the **Up/down** key.
 The selected volume is displayed. The ring tone can be turned off by selecting the symbol that shows a crossed-out bell.
- 
 ⇒ Press **OK**.
 The selected setting is saved.

ADJUSTING DATE AND TIME

-  ⇒ Press the **MENU** key.
- 
 ⇒ Select “Date and time” using the **Up/down** key.
-  ⇒ Press **OK**.
 The current date and time appear in the top of the display. A two-way arrow appears under the date.
-  ⇒ Change the date using the **Up/down** key and confirm with **OK**.
 The two-way arrow then moves to the month.
- 
-  ⇒ Change the month and confirm with **OK**.
 Change the year and confirm with **OK**.
 Change the hour and confirm with **OK**.
 Change the minutes and confirm with **OK**.
 The selected setting is saved.
- 
- 

CHANGING LANGUAGES



MENU ⇒ Press the **MENU** key.


▼ ▲ ⇒ Select “Language” using the **Up/down** key.

OK ↻ ⇒ Press **OK**.


▼ ▲ ⇒ Select the language you require using **Up/down**.

OK ↻ ⇒ Press **OK**.

The selected setting is saved.




English



Done

ADJUSTING KEY TONE

You can select whether or not you want a tone to be heard when you press a key. Note that this setting does not affect the key tone you hear when you dial a number.



MENU ⇒ Press the **MENU** key.

▼ ▲ ⇒ Select “Tools” using the **Up/down** key.


OK ↻ ⇒ Press **OK**.

OK ↻ ⇒ Press **OK** again to confirm **Keypad tone** which is the first option on the menu.


▼ ▲ ⇒ Select **On** or **Off** using **Up/down**.

OK ↻ ⇒ Press **OK**.


The selected setting is saved.



Keypad tone

















Off



Done










SELECTING A DECT BASE STATION

Use this option to choose one of the registered base stations. You can also let Konftel 200W automatically select the base station with the strongest signal. See page 6 for instructions on how to register with a new base station.

		⇒ Press the MENU key.
		⇒ Select “Tools” using the Up/down key.
		⇒ Press OK .
		⇒ Select the menu Base using the Up/down key.
		⇒ Press OK .
		The current base station (e.g. Base 1) is shown in the display.
		⇒ Look through the registered base stations and the option Auto using the Up/down key.
		Auto will automatically select the base station with the strongest signal. The chosen option is marked with a tick.
		⇒ Press OK .
		The conference unit will now search for the selected base station. Wait for confirmation.
		If the base station is found, the word Done will appear in the display. If the base station is not found, the word Fail will appear instead. Select another base station if that is the case, or check that the base station you wanted actually is connected and within range.
		⇒ Press OK .

SHOWING STATUS







Use this option to check the ID number of either the conference unit or base station. This information can be useful in an installation with many units.

	⇒ Press the MENU key.
	⇒ Select “Tools” using the Up/down key.
	⇒ Press OK .
	⇒ Select the menu Status using the Up/down key.
	⇒ Press OK .
	The ID number (RFPI, PARK) of the current base station appears in the display.
	⇒ Press the Up/down key.
	The ID number (IPEI, HS no.) of the conference phone appears in the display.
	⇒ Press OK to return to the menu.

DEREGISTERING A PHONE

This only applies to a Konftel DECT base station.

Seven telephones (handsets or Konftel 200W) can be registered with a Konftel DECT base station. Use this option to deregister (remove) a telephone from the base station. Note! You cannot deregister the unit that you are using for deregistering, i.e. Konftel 200W cannot deregister itself.

	⇒ Press the MENU key.
	⇒ Select “Tools” using the Up/down key.
	⇒ Press OK .
	⇒ Select the menu Dereg using the Up/down key.
	⇒ Press OK .
	⇒ Select the handset you want to deregister using the Up/down key. (The unit you are using is marked with a tick.)

SETTINGS



⇒ Press **OK**.

0-9...

⇒ Enter the base station's security code (PIN code) (standard code is **0000**).



⇒ Press **OK**.

Wait until you receive confirmation that deregistration has been completed.



If the base station is found, the word **Done** will appear in the display. If the base station is not found, the word **Fail** will appear instead.



⇒ Press **OK** to return to the menu.

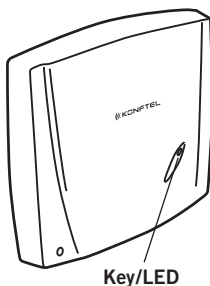
REGISTERING A NEW BASE STATION

See page 6.

SEARCHING FOR A DECT HANDSET

This only applies to a Konftel DECT base station.

You can let a Konftel DECT base station search for telephones (handsets or Konftel 200W) that are registered with the base station. A handset normally emits a tone while being searched for by the base station. The Konftel 200W emits an audible tone when it is being searched for by the base station and the word **PAGE** appears in the display. Press any key on the Konftel 200W to escape from this mode.



⇒ Briefly press the key/LED on the base station.

The base station is now in search mode and the blue LED flashes slowly.

⇒ Localising the telephones.

⇒ Press one more time to escape search mode.

ADJUSTING R KEY FUNCTION (FLASH DURATION)

This only applies to a Konftel DECT base station.

The R-function (one of its functions is to create multi-party calls) is based on the phone sending a special R-pulse (flash). The various phone systems and PBXs of other countries require different durations for activating the R-pulse. With the Konftel 200W, the R-pulse duration can be adjusted accordingly.

R1 = 65 ms












R2 = 100 ms

R3 = 150 ms

R4 = 270 ms

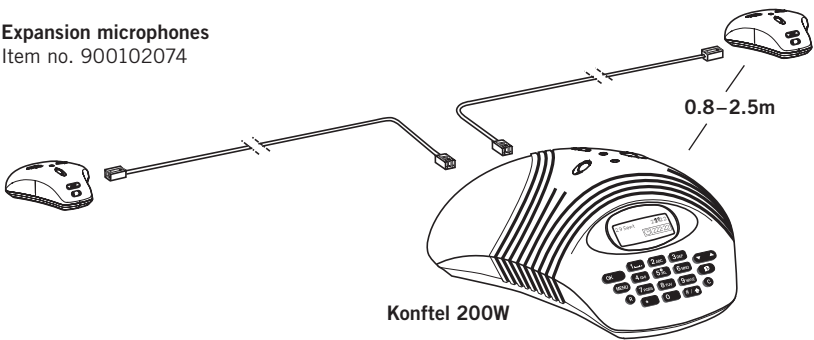
R5 = 600 ms

R6 = 80 ms

		⇒ Press the MENU key.
		⇒ Select "Tools" using the Up/down key.
		⇒ Press OK .
		⇒ Select the menu R function using the Up/down key.
		⇒ Press OK .
		The current R-pulse setting appears in the display.
		⇒ Select the setting you require using Up/down key.
		⇒ Press OK .
		The selected setting is saved.

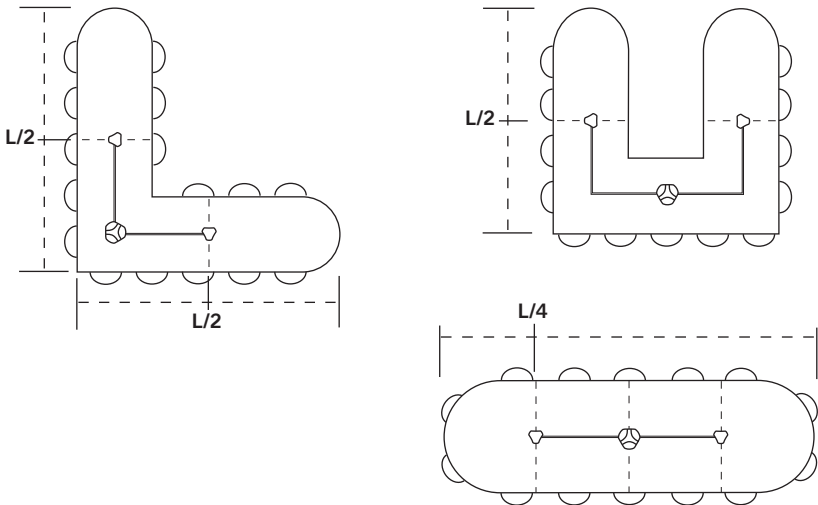
EXPANSION MICROPHONES

Expansion microphones
Item no. 900102074



Installation

The expansion microphones should be positioned as illustrated to achieve the best possible sound quality.



Connecting and programming

Two expansion microphones can easily be added onto the Konftel 200W to increase the pickup range up to 70 m². The expansion microphones are supplied with two different cable sets, 1.5 and 2.5 m.

- ⇒ Unplug the power cable from the conference unit.
- ⇒ Place the expansion microphones at least 0.8 m and no more than 2.5 m from the Konftel 200W and connect them using the cables provided.
- ⇒ Plug the power cable in again.



The microphone in the Konftel 200W is now deactivated. The display indicates that the expansion microphones are activated. Always unplug the power cable before removing the microphones.

Adjusting the speaker volume



- ⇒ Press the **up** or **down** key on one of the expansion microphones to adjust the speaker volume.

Manual adjustment



- ⇒ Press the **up** and **down** keys at the same time for manual adjustment (see page 9).

A short noise is heard.

Mute function



- ⇒ Press the **mute** key on one of the expansion microphones to switch off the microphones.

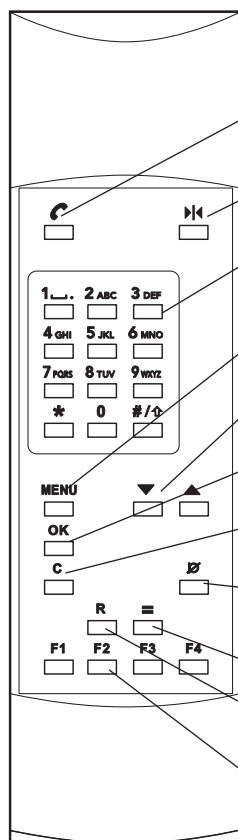
The LEDs change from blue to red. The other party cannot hear what you are saying.



- ⇒ Press the **mute** key again to switch the microphones back on again.

REMOTE CONTROL

Konftel 200W has an optional remote control. This allows you to control all the functions from wherever you are in the room.



Item no.
900102038

Speed dialling keys. When a speed dial number is saved or updated in the phonebook, it can be stored by finishing off the programming with a function key instead of OK. Then when the key is pressed, the stored number is dialled. Note that by storing a new number on a key that already has a speed dial number, you will delete the first number.

ITEM NUMBERS FOR ACCESSORIES AND SPARE PARTS

Item no.	Designation
149110	Ceiling mount suspension
900102038	Remote control
900102061	Anti-theft device, max. length 3 m
900102071	Konftel DECT base station
900102074	Expansion microphones (1 pair)
900103339	Extension cord electrical, 10 m
900103340	Extension cord telephone, 10 m
900103342	Tape recorder cable
9146030	Wall mounting bracket

TROUBLESHOOTING

If your Konftel 200W is not working:

1. Check that the microphone is turned on during the call. The blue microphone LEDs should be lit.
2. Check that the Konftel 200W is within range for a DECT base station and that it is registered with the base station. Read more on page 7.
3. Bypass any extension cables and see if the Konftel 200W works properly. If not, contact your retailer.
4. Disconnect the expansion microphones and see if the Konftel 200W works without them. If not, contact your retailer.
5. If the Konftel 200W needs to wait for a second dialling tone, you should enter a pause using the pause/mute key when entering a telephone number as an instruction or in the phonebook.

KONFTEL 200W CONFERENCE PHONE

Power supply:	Transformer 12V DC/230V AC, 700mA (Europe) Transformer 12V DC/120V AC, 700mA (USA)
Speaker volume:	Adjusts to 15 levels
Room echo reduction:	208 ms
Line echo reduction:	38 ms
Environment:	Pickup range <30 m ² Reverberation time in room <500 ms Background noise <45 dBA Temperature range: 5–40° C
Dimensions:	Diameter 232 mm
Weight:	700 grams

Approvals

Electrical safety:	EN60950:2001
EMC:	EN301489-01/06:2000
DECT/radio:	European DECT standard: EN301406-V1.4.1 2001 (DECT frequency: 1880-1900 MHz, average power is 10 mW per channel DECT output power: 250 mW peak power in one of 24 time slots, ~10mW/channel DECT range: Unobstructed range, up to 300 metres. Indoor range, up to 50 metres).
GAP standard:	TBR22

The unit can generate a tone when used in environments where there is strong radio interference or high-frequency interference in the power supply cable and will then resume normal function once the interference has stopped.

KONFTEL DECT BASE STATION (ACCESSORIES)

Power supply:	Transformer 230 V AC/6 V DC, 300 mA
Cable length:	2 metres
Tele connection:	Analogue PBX or PSTN, RJ-11
Compatibility:	A Konftel DECT base station is GAP-compatible and can be connected to analogue lines or any PBX equipped with an analogue extension. Up to 7 GAP-compatible DECT units can be connected to a Konftel DECT base station
Dimensions:	175x160 mm
Weight:	240 grams

Approvals

Electrical safety:	EN60950:2001
EMC:	EN301489-01/06:2000
DECT/radio:	European DECT standard: EN301406-V1.4.1 2001 (DECT frequency: 1880–1900 MHz, average power is 10 mW per channel DECT output power: 250 mW peak power in one of 24 time slots, ~10 mW/channel DECT range: Unobstructed range, up to 300 metres. Indoor range, up to 50 metres).
GAP standard:	TBR22
Tele:	TBR21:1998

EXPANSION MICROPHONES (ACCESSORIES)

Power supply:	Power from microphone output
Cabling:	Modular 4/4-contacts, 2x1.5 m and 2x2.5 m
Environment:	Temperature range: 5–40° C
Dimensions:	Diameter 105 mm, height 30 mm

REMOTE CONTROL (ACCESSORIES)

Batteries:	4 x R03, 1.5V
Environment:	Temperature range: 5–40°C
Range:	Up to 5 metres
Dimensions:	205x55x21mm (LxBxH)
Weight:	140 grams
Keyboard:	26 keys

SERVICE AND GUARANTEE

Contact a Konftel retailer first if your conference telephone needs servicing.

See the American User Guide for guarantee terms and information on American FCC and Canadian FCC and IC norms (in English only). Contact Konftel support for more information.

Konftel support

+46(0)90-706 489 (Monday–Friday 08.00–17.00)

E-mail: info@konftel.com

USA and Canada:

+1 866-606-4728 (Monday–Friday 08.00–17.00)

E-mail: konftel.usa@konftel.com

Konftel is a leading company within loudspeaker communication and audio technology. We develop and sell products and technology for telephone conferences based on cutting-edge expertise within acoustics and digital signal processing. Characteristic of our products is that all conference telephones contain the same high quality audio technology – OmniSound® providing crystal clear sound. Read more about Konftel and our products on **www.konftel.com**.

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